

N^o 6032



A.D. 1898

Date of Application, 11th Mar., 1898—Accepted, 30th July, 1898

COMPLETE SPECIFICATION.

Improvements in Electrical or Electro-magnetic Therapeutic Apparatus.

We, OTTOKAR WACATKA, Electrical Engineer, of 32, Turkenstrasse, Munich, and EDUARD SACHS, Engineer, of Findlingstrasse 26p, Munich, both in the Empire of Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascer-
5 tained in and by the following statement:—

This invention relates to a therapeutic apparatus worked by electricity or electro magnetism.

The apparatus is adapted to be conveniently fastened to the body of the person wearing the same and preferably receives the form of a cross, the two con-
10 stituent bars of which are formed in the following manner, reference being had to the accompanying drawings.

A strip band of copper *a* is covered with a strip of flannel *b* or similar stuff and the flannel is covered by a strip or band of zinc *c*. The whole is surrounded by an insulating substance, for instance a thin film or layer of india rubber or
15 the like. Subsequently the two ends of the bar, thus formed, are covered with and connected by copper-wire windings *d*. The non-insulated ends or terminals of the conducting wire are constructed in the form of ears or loops, by which the therapeutic apparatus is suspended from a chain worn round the neck. In order to increase the therapeutic effect of the apparatus, a magnet may further
20 be employed in addition to the strips or bands of copper and zinc, this magnet may be first covered by the insulated wire windings and subsequently the whole be covered by the insulating substance and suitably connected to an insulated conducting wire.

The apparatus which is worn upon the chest acts in the following manner:—
25 The perspiration from the body of the wearer or the moisture of the atmospheric air is absorbed by the flannel which becomes damp in consequence, the result being, that the strips or bands of copper and zinc in connection with the strip of flannel, which has become conductive by the moisture, form a galvanic element. The current thus generated by the latter, induces a current in the
30 electric conductor, surrounding the element. When used permanently or for some considerable time, the current of the magnets—should the latter be employed in the apparatus—produce a salutary effect upon the human organism, increase the general health and tone of the body and even have the effect of removing nervous and similar ailments.

35 Having now particularly described and ascertained the nature of our said invention, and in what manner the same is to be performed, we declare that what we claim is:—

1. A therapeutic apparatus, in the form of a bar consisting of a strip or band of copper and zinc, separated by a strip of flannel or similar stuff, the strips

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being first covered by an insulating layer, impervious to water and subsequently surrounded by electric conducting wire windings.

2. A therapeutic apparatus of the kind, ascertained in the first claim, characterized by the arrangement of a magnet either within the insulated wire windings or adjacent to one of the metal strips.

3. A therapeutic apparatus of the kind ascertained in the first and second claims, presenting this characteristic feature, that two or more of such bars are so combined as to form a cross or star or like figure.

Dated this 11th day of March 1898.

WHEATLEY & MACKENZIE,
40, Chancery Lane, London, W.C., Agents.

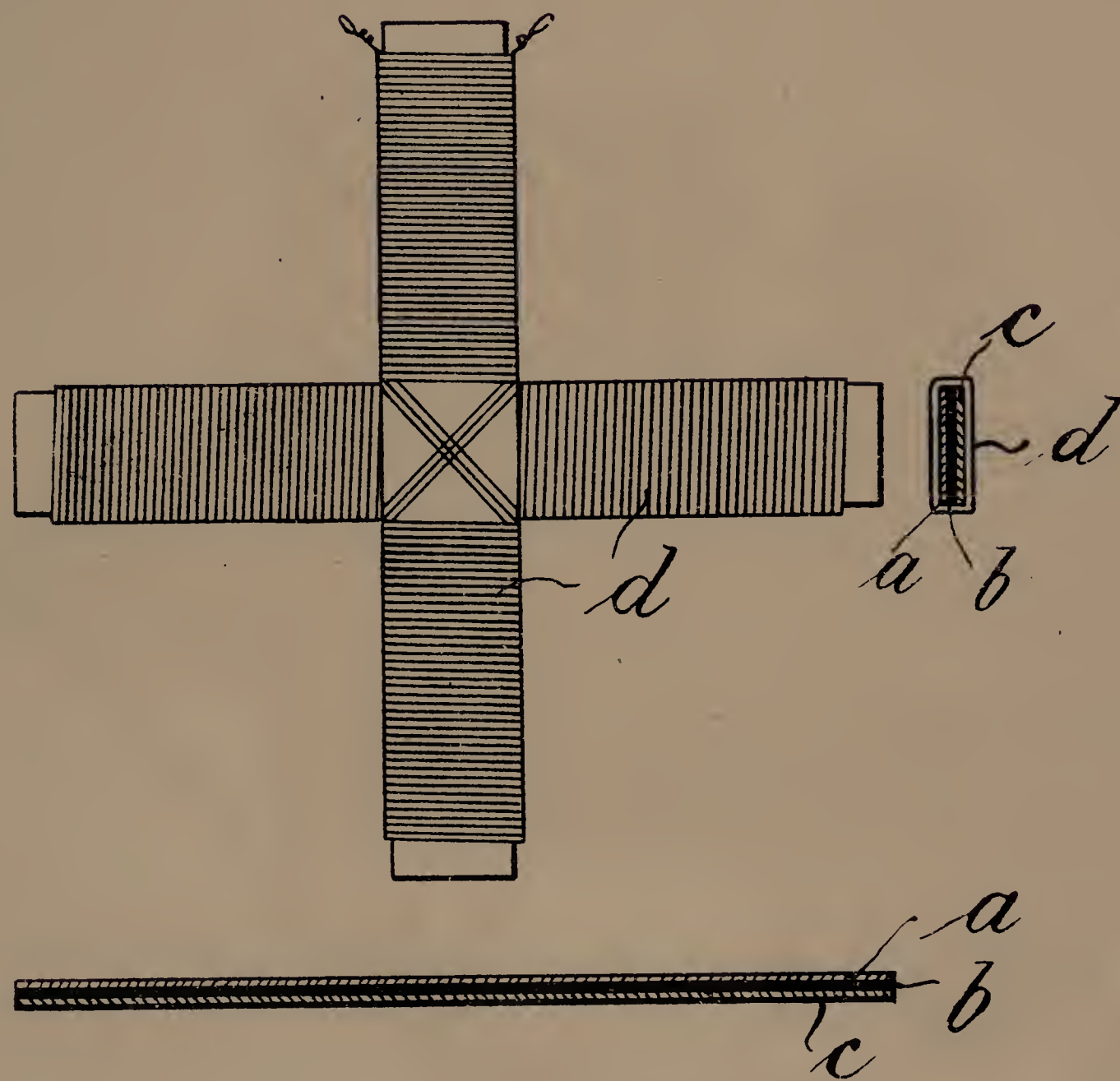
Redhill: Printed for Her Majesty's Stationery Office, by Malcomson & Co., Ltd.—1898



A.D. 1898. MARCH 11. N° 6032.

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